Community of Practice on reduction of methane emissions from organic sources in Latin America and the Caribbean

(CoP MetLAC)

Phase I Results: October 2023 – September 2025

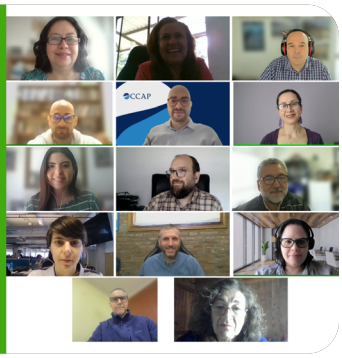
CoP MetLAC is a collaborative effort between the Center for Clean Air Policy (CCAP), ImplementaSur, and the LEDS LAC Regional Platform, with support from the Global Methane Hub. It was launched in October 2023, with the purpose of promoting and supporting the development of public policies, business models, and investment projects to reduce methane emissions from organic sources in Latin America and the Caribbean. In its first phase (2023 - 2025), the CoP MetLAC has served as a meeting space for representatives from public sector, private sector, academia, and civil society organizations from 14 countries in the region.

Learn more here

Virtual sessions for members

11 bi-monthly exchange sessions

on policy frameworks and instruments, technologies, commercialization of services and products, climate goals, source separation, public-private partnerships, the role of communities, and education.



4 training sessions

on emission estimation tools, blended finance, fees, and bankable project design.

72 people from 42 organizations

have participated in activities exclusive to CoP members.

In-person workshops

Kick-off Workshop

Colombia | November 2023

42 participants from 28 organizations across 10 countries

Second Workshop

Chile | May 2025

50 participants from 31 organizations across 12 countries

Knowledge sharing

6 webinars open to the public

on organic waste management, composting, source separation for municipalities, carbon markets, private sector engagement, and food loss and waste reduction.

912 live participations and over 1,600 replay views.

Knowledge products:

- Policy and regulatory frameworks for methane emissions reduction from organic waste in 4 LAC countries.
- Collaborative map of organic waste recovery projects in LAC.
- Home Composting: A Practical Guide.
- Policy Brief: Public Policies and Governance for Methane Emissions Reduction from Organic Waste.

You can find the webinar recordings, workshop reports, and knowledge products on our website:
https://www.ledslac.org/en/comunidades-de-practica/metano

Technical Assistance:

The Community of Practice MetLAC offers technical assistance opportunities to its members in two modalities:

Helpline: A mechanism designed to address specific inquiries related to the CoP's themes and objectives, which has responded to 8 requests from 5 organizations from 4 countries.

Ad Hoc Technical Assistance: Specialized technical support aimed at advancing and strengthening investment initiatives, business models, and public policies for member organizations.

Social assessment of a composting plant in Castro Municipality, Chile

Type: Strengthening proposals to access financing
Beneficiary institution: Ministry of the Environment of Chile
Period: July – October 2024
Mitigation potential: ~12,300 tCO_2e accumulated over 20 years

This activity focused on developing key inputs needed for the municipality's submission of the composting project to the National Fund for Regional Development (FNDR, for its acronym in Spanish). In particular, a social assessment was conducted, confirming the project's social profitability, and its mitigation potential was estimated along with other benefits. These inputs will support the municipality in advancing the project's FNDR application.

Pre-feasibility study for a composting plant in Buenos Aires, Argentina

Type: Technical and economic analysis of investment projects
Beneficiary institution: Government of the Autonomous City of Buenos Aires, Argentina
Period: October 2024 – February 2025
Mitigation potential: ~371,400 tCO_2e accumulated over 20 years

This activity consisted of a pre-feasibility study for a large-scale modular composting plant to process waste generated by the city's major waste producers. The study analyzed different available composting technologies and evaluated various potential business models, taking into account the local context and experience. The study is expected to facilitate the development of further analyses required for the medium- to long-term implementation of the project.

Review and improvement proposal for Chile's National Environmental Education Program on Organic Waste

Type: Public policy recommendations
Beneficiary institution: Ministry of the Environment of Chile
Period: March – July 2025

This activity involved assessing the existing EducaOrgánicos Program proposal within the framework of the National Organic Waste Strategy (ENRO, for its acronym in Spanish). Gaps were identified and improvements were proposed through document review, consultations with key stakeholders, and a technical analysis of the program.

As a result, a more structured program was developed, with clear activities, responsibilities, goals, and indicators, facilitating its alignment with the ENRO and other national programs.

Business model for an anaerobic digestion plant in El Colegio Municipality, Colombia

Type: Recommendations for strengthening business models
Beneficiary institutions: Vice Ministry of Energy of Colombia and the National University of Colombia
Period: February – August 2025
Mitigation potential: ~15,260 tCO_2e accumulated over 20 years

This activity involved evaluating different business models applicable to a pilot anaerobic digestion project in El Colegio Municipality, considering both the local and national contexts. Based on this assessment, recommendations were made to promote the implementation of similar initiatives in other regions of the country, taking into account the market-level barriers and opportunities identified. This case study is expected to help foster the promotion of bioenergy in Colombia.

Technical reference for the regulation of large solid waste generators, Rio Grande do Sul, Brazil

Type: Public policy recommendations
Beneficiary institution: State Secretariat for the Environment and Infrastructure – Rio Grande do Sul, Brazil
Period: July – September 2025

This activity consisted of analyzing seven regulatory instruments applicable to large waste generators from different parts of the region to guide the development of a state manual by the Secretariat. The manual aims to assist municipalities in designing and implementing such instruments within their territories.

It is expected that this document, through the identification of key elements, recommendations, and best practices, will also serve other countries facing similar regulatory needs.

MetLAC Community of Practice on reduction of methane emissions from organic sources in Latin America and the Caribbean · Recycle Organics Reducing Methane From Waste · CCAP · ImplementaSur Climate Action · Plataforma Regional LEDS LAC Estrategias de Desarrollo Resiliente y Bajo en Emisiones · Global Methane Hub